

WHAT IS CLAIMED IS:

1. A job processing system comprising a single
network or different networks connected to be able to
communicate with each other, first and second
5 information processors, and an output device,
characterized in that

said first information processor comprises:

job issuing means for converting image
information into print data processable by said output
10 device, and transferring to said output device job data
having attribute information attached which is used to
start outputting the print data when the print data is
given authentication from said second information
processor; and

15 notifying means for notifying said second
information processor of execution designation
information for the job data to be issued from said
second information processor to said output device,

said output device comprises:

20 storage means for storing received job data; and
control means for outputting job data stored in
said storage means when execution designation
information for the job data is supplied, and

said second information processor comprises:

25 job start designating means for designating
actual issue of the execution designation information
to said output device.

2. The system according to claim 1, characterized in that said first information processor further comprises notifying means which, when said job issuing means outputs the job data to said output device, notifies
5 job issue to a user permitted to execute the job data.

3. The system according to claim 2, characterized in that

said second information processor further comprises informing means which, when said notifying
10 means notifies job issue, informs an external apparatus of the notification, and

said job start designating means gives the execution designation information for the job when a predetermined operation is performed.

15 4. The system according to claim 1, characterized in that said second information processor further comprises:

means for notifying the same information as notified by said notifying means to another user to be
20 given permission to output the job; and

means for adding a user to be given permission to output to attributes with respect to said output device.

5. The system according to claim 1, characterized in that

25 the attribute information issued by said job issuing means of said first information processor contains the upper-limit number of output times of job

data, and

said output device further comprises means for erasing a job when the upper-limit number of output times of the job is reached.

- 5 6. The system according to claim 1, characterized in that

the attribute information issued by said job issuing means of said first information processor contains information concerning the validity period of
10 job data, and

said output device further comprises means for erasing job data whose validity period has expired.

7. A control method of a job processing system comprising a single network or different networks
15 connected to be able to communicate with each other, first and second information processors, and an output device, characterized in that

said first information processor comprises:

- the job issuing step of converting information to
20 be output, transferred from high-order processing, into data suited to said output device, and transferring to said output device job data having attribute information attached which is used to start outputting the data when the data is given authentication from
25 said second information processor,

said output device comprises:

the storage step of storing received job data;

and

the control step of outputting job data stored in the storage step when execution designation information for the job data is supplied, and

5 said second information processor comprises:

the job start designating step of giving execution designation information for the job data to said output device.

8. A storage medium, characterized by storing
10 program codes corresponding to the steps according to claim 7.

9. A network system comprising an output device which stores externally received job data and starts processing for the job data when receiving information
15 matching attribute information contained in the job data, characterized by comprising:

first and second information processors provided on a network,

20 said first information processor comprising
job issuing means for converting information to be output, transferred from high-order processing, into data suited to said output device, and transferring to said output device job data having attribute information attached which is used to start outputting
25 the data when the data is given authentication from said second information processor, and

said second information processor comprising

job start designating means for giving execution designation information for the job data to said output device.

10. A control method of a network system comprising
5 an output device which stores externally received job data and starts processing for the job data when receiving information matching attribute information contained in the job data, and first and second information processors, characterized in that
- 10 said first information processor comprises:
 the job issuing step of converting information to be output, transferred from high-order processing, into data suited to said output device, and transferring to said output device job data having attribute
- 15 information attached which is used to start outputting the data when the data is given authentication from said second information processor, and
- said second information processor comprises:
 the job start designating step of giving
- 20 execution designation information for the job data to said output device.

11. A storage medium, characterized by storing program codes corresponding to the steps according to claim 10.

- 25 12. A printing apparatus connected to a network, characterized by comprising:

first receiving means for receiving print data

and authentication information for executing printing
of the print data from a first client terminal on said
network;

storage means for storing received print data as
5 a file into a predetermined memory;

print job managing means for storing and managing
information for specifying a file stored by said
storage means and the authentication information for
the file in relation to each other;

10 second receiving means for receiving
authentication information managed by said print job
managing means from a second client on said network;
and

printing means for, when authentication
15 information is received by said second receiving means,
loading and printing a file corresponding to the
authentication information.

13. The apparatus according to claim 12,
characterized in that

20 said first receiving means further receives
information for specifying said second client,

said print job managing means stores and manages
information for specifying said second client together
with the authentication information, and

25 said printing means performs printing when a
client as a transmission source of authentication
information received by said second receiving means is

said second client stored and managed by said print job managing means.

14. The apparatus according to claim 13,
characterized in that said print job managing means
5 stores information for specifying a plurality of second clients for one print data.

15. The apparatus according to claim 14,
characterized by further comprising means for receiving authentication information from all second clients for
10 one print job, and erasing information concerning the print job from said memory when printing is performed.

16. A control method of a printing apparatus connected to a network, characterized by comprising:
the first receiving step of receiving print data
15 and authentication information for executing printing of the print data from a first client terminal on said network;

the storage step of storing received print data as a file into a predetermined memory;
20 the print job managing step of storing and managing information for specifying a file stored in the storage step and the authentication information for the file in relation to each other;

the second receiving step of receiving
25 authentication information managed in the print job managing step from a second client on said network; and
the printing step for, when authentication

information is received in the second receiving step,
loading and printing a file corresponding to the
authentication information.

17. The method according to claim 16, characterized
5 in that

in the first receiving step, information for
specifying said second client is further received,

in the print job managing step, information for
specifying said second client is stored and managed
10 together with the authentication information, and

in the printing step, printing is performed when
a client as a transmission source of authentication
information received in the second receiving step is
said second client stored and managed in the print job
15 managing step.

18. The method according to claim 17, characterized
in that in the print job managing step, information for
specifying a plurality of second clients for one print
data is stored.

19. The apparatus according to claim 18,
characterized by further comprising the step of
receiving authentication information from all second
clients for one print job, and erasing information
concerning the print job from said memory when printing
25 is performed.